

Form PTO 1449 U.S. DEPARTMENT OF  
(Modified) COMMERCE  
PATENT AND TRADEMARK  
OFFICE

DOCKET NO.

9511-087-27

SERIAL NO.

10/043,322

APPLICANT

Riichiro ABE, et al.

LIST OF REFERENCES CITED BY APPLICANT  
(Use Several Sheets if Necessary)

FILING DATE

JANUARY 14, 2002

GROUP ART UNIT

1642

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
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## FOREIGN PATENT DOCUMENTS

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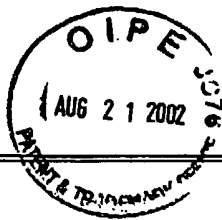
## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

CY	AO	ABE et al. Regulation of the CTL Response by Macrophage Migration Inhibitory Factor. J. of Immunology. January 2001, Vol. 166, pages 747-753.
ey	AP	LUE et al. Macrophage Migration Inhibitory Factor (MIF): Mechanisms of Action and Role in Disease. Microbes and Infection, 2002, Vol. 4, pages 449-460.
	AQ	
	AR	
	AS	

EXAMINER C-Yuen

DATE CONSIDERED 8/4/04

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
CY	AA	4,946,778	8/7/90	Ladner, et al.			
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CY	AC	6,080,407	6/27/00	Bucala, et al.			
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	AF				YES NO		
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
CY	AG	Köhler, et al., "Continuous Cultures of Fused Cells Secreting Antibody of Predefined Specificity", Nature, 256, 495-497 (1975).					
CY	AH	Kozbor, et al., "The Production of Monoclonal Antibodies from Human Lymphocytes", Immunology Today, 4, 3, 72-79 (1983).					
CY	AI	Cote, et al., "Generation of Human Monoclonal Antibodies Reactive with Cellular Antigens", Proc. Natl. Acad. Sci., 80, 2026-2030 (1983).					
CY	AJ	Cole, et al., "The EBV-Hybridoma Technique and Its Application to Human Lung Cancer", Monoclonal Antibodies and Cancer Therapy, Alan R. Liss, Inc., 77-96 (1985).					
CY	AK	Morrison, et al., "Chimeric Human Antibody Molecules: Mouse Antigen-Binding Domains with Human Constant Region Domains", Proc. Natl. Acad. Sci., 81, 6851-6855 (1984).					
CY	AL	Neuberger, et al., "Recombinant Antibodies Possessing Novel Effector Functions", Nature, 312, 13, 604-608 (1984).					
CY	AM	Takeda, et al., "Construction of Chimaeric Processed Immunoglobulin Genes Containing Mouse Variable and Human Constant Region Sequences", Nature, 314, 4, 452-454 (1985).					

EXAMINER	C. Yuen	DATE CONSIDERED	8/4/04
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				FILING DATE January 14, 2002			
CY	AN	Huse, et al., "Generation of a Large Combinatorial Library of the Immunoglobulin Repertoire in Phage Lambda", Science, 246, 1275-1281 (1989).					
CY	AO	Metz, et al., "Role of Macrophage Migration Inhibitory Factor in the Regulation of the Immune Response" Adv.Immunol., 66, 197-223 (1997).					
CY	AP	Bloom, et al., "Mechanisms of a Reaction in Vitro Associated with Delayed-Type Hypersensitivity", Science, 153, 80-82. (1966).					
CY	AQ	David, "Delayed Hypersensitivity In Vitro: Its Mediation by Cell-Free Substances Formed by Lymphoid-Antigen Interaction", Proc. Natl. Acad. Sci. U.S.A., 56, 72-77 (1966).					
CY	AR	Bernhagen, et al., "MIF is a Pituitary-Derived Cytokine that Potentiates Lethal Endotoxaemia", Nature, 365, 756-759 (1993) [published erratum appears in Nature 1995 Nov 23, 378(6555),419].					
CY	AS	Calandra, et al., "The Macrophage is an Important and Previously Unrecognized Source of Macrophage Migration Inhibitory Factor", J. Exp. Med., 179, 1895-1902 (1994).					
CY	AT	Calandra, et al., "Macrophage Migration Inhibitory Factor is a Critical Mediator of the Activation of Immune Cells by Exotoxins of Gram-Positive Bacteria", Proc. Nat'l. Acad. Sci. U.S.A., 95, 11383-11388 (1998).					
CY	AU	Calandra, et al., "Protection from Septic Shock by Neutralization of Macrophage Migration Inhibitory Factor", Nat. Med., 6, 2, 164-170 (2000).					
CY	AV	Bacher, et al., "An Essential Regulatory Role for Macrophage Migration Inhibitory Factor in T-Cell Activation", Proc. Natl. Acad. Sci. USA., 93, 7849-7854 (1996).					
CY	AW	Chesney, et al., "An Essential Role for Macrophage Migration Inhibitory Factor (MIF) in Angiogenesis and the Growth of a Murine Lymphoma", Mol. Med., 5, 181-191 (1999).					
CY	AX	Shimizu, et al., "High Expression of Macrophage Migration Inhibitory Factor in Human Melanoma Cells and Its Role in Tumor Cell Growth and Angiogenesis", Biochem. and Biophys. Res. Commun., 264, 751-758 (1999).					
CY	AY	Moore, et al., "Introduction of Soluble Protein into the Class I Pathway of Antigen Processing and Presentation", Cell, 54, 777-785 (1988).					
CY	AZ	Bendrat, et al., "Biochemical and Mutational Investigations of the Enzymatic Activity of Macrophage Migration Inhibitory Factor", Biochemistry, 36, 15356-15362 (1997).					

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CY	BA	Bernhagen, et al., "Purification, Bioactivity, and Secondary Structure Analysis of Mouse and Human Macrophage Migration Inhibitory Factor (MIF)", Biochemistry, 33, 14144-14155 (1994).
CY	BB	Calandra, et al., "MIF as a Glucocorticoid-Induced Modulator of Cytokine Production", Nature, 377, 68-71 (1995).
CY	BC	Ke, et al., "Ovalbumin Injected with Complete Freund's Adjuvant Stimulates Cytolytic Responses", Eur. J. Immunol., 25, 549-553 (1995).
CY	BD	Hashimoto, et al., "Differential Antitumor Effects of Administration of Recombinant IL-18 or Recombinant IL-12 Are Mediated Primarily by Fas-Fas Ligand- and Perforin-Induced Tumor Apoptosis, Respectively", J. Immunol., 163, 583-589 (1999).
CY	BE	Taetle, et al., "Use of Nude Mouse Xenografts as Preclinical Drug Screens: In Vivo Activity of Established Chemotherapeutic Agents Against Melanoma and Ovarian Carcinoma Xenografts", Cancer Treat. Rep., 71, 3, 297-304 (1987).
CY	BF	Zou, et al., "Tumor-Bearing Mice Exhibit a Progressive Increase in Tumor Antigen-Presenting Cell Function and a Reciprocal Decrease in Tumor Antigen-Responsive CD4 <sup>+</sup> T Cell Activity", J. Immunol., 148, 2, 648-655 (1992).
CY	BG	Rosenblatt-Velin, et al., "Transformed and Nontransformed Human T Lymphocytes Migrate to Skin in a Chimeric Human Skin/SCID Mouse Model", J. Invest. Dermatol., 109, 6, 744-750 (1997).
CY	BH	Bernhagen, et al., "An Essential Role for Macrophage Migration Inhibitory Factor in the Tuberculin Delayed-Type Hypersensitivity Reaction", J. Exp. Med., 183, 277-282 (1996).
CY	BI	Berke, G. et al., "The CTL's Kiss of Death", Cell, 81, 9-12 (1995).
CY	BJ	Apte, et al., "Cutting Edge: Role of Macrophage Migration Inhibitory Factor in Inhibiting NK Cell Activity and Preserving Immune Privilege" J. Immunol., 160, 5693-5696 (1998).
CY	BK	Nelson, et al., "Biology of the Interleukin-2 Receptor", Adv. Immunol., 70, 1-81 (1998).
CY	BL	Nelson, et al., "A Membrane-Proximal Region of the Interleukin-2 Receptor $\gamma$ Chain Sufficient for Jak Kinase Activation and Induction of Proliferation in T Cells", Mol. Cell Biol., 16, 1, 309-317 (1996).
CY	BM	Nelson, et al., "Cytoplasmic Domains of the Interleukin-2 Receptor $\beta$ and $\gamma$ Chains Mediate the Signal for T-cell Proliferation", Nature, 369, 333-336 (1994).

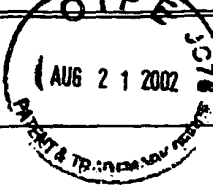
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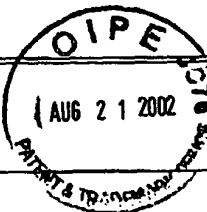
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CY	BN	Dai, et al., "The Role of the Common Cytokine Receptor $\gamma$ -Chain in Regulating IL-2-Dependent, Activation-Induced CD8 <sup>+</sup> T Cell Death", J. Immunol., 163, 3131-3137 (1999).					
CY	BO	Jäger, et al., "CTL-Defined Cancer Vaccines: Perspectives for Active Immunotherapeutic Interventions in Minimal Residual Disease", Cancer and Metastasis Rev., 18, 143-150 (1999).					
CY	BP	Dunbar, et al., "Cutting Edge: Rapid Cloning of Tumor-Specific CTL Suitable for Adoptive Immunotherapy of Melanoma", J. Immunol., 162, 6959-6962 (1999).					
CY	BQ	Turner, et al., "Vaccination with Mage-3A1 Peptide-Pulsed Mature, Monocyte-Derived Dendritic Cells Expands Specific Cytotoxic T Cells and Induces Regression of Some Metastases in Advanced Stage IV Melanoma", J. Exp. Med., 190, 11, 1669-1678 (1999).					
CY	BR	Yamasaki, et al., "Immunoregulatory Effects of Interleukin 2 and Interferon on Syngeneic Murine Malignant Glioma-Specific Cytotoxic T-Lymphocytes", Cancer Res., 48, 2981-2987 (1988).					
CY	BS	Renauld, et al., "Accessory Signals In Murine Cytolytic T Cell Responses Dual Requirement for IL-1 and IL-6", J. Immunol., 143, 6, 1894-1898 (1989).					
CY	BT	Smyth, et al., "IL-2 and IL-6 Synergize to Augment the Pore-Forming Protein Gene Expression and Cytotoxic Potential of Human Peripheral Blood T Cells", J. Immunol., 145, 4, 1159-1166 (1990).					
CY	BU	Kasper, et al., "IL-7 Stimulates Protective Immunity in Mice Against the Intracellular Pathogen, Toxoplasma gondii", J. Immunol., 155, 4798-4804 (1995).					
CY	BV	Chen, et al., "IL-10: A Novel Cytotoxic T Cell Differentiation Factor", J. Immunol., 147, 2, 528-534 (1991).					
CY	BW	Gately, et al., "Administration of Recombinant IL-12 to Normal Mice Enhances Cytolytic Lymphocyte Activity and Induces Production of IFN- $\gamma$ in vivo", Int. Immunol., 6, 1, 157-167 (1994).					
CY	BX	Gately, et al., "Regulation of Human Cytolytic Lymphocyte Responses by Interleukin-12", Cell. Immunol., 143, 127-142 (1992).					
CY	BY	Mehrotra, et al., "Effects of IL-12 on the Generation of Cytotoxic Activity in Human CD8 <sup>+</sup> T Lymphocytes", J. Immunol., 151, 5, 2444-2452 (1993).					
CY	BZ	Ciolli, et al., "Combined Interleukin 1/Interleukin 2 Therapy of Mice Injected with Highly Metastatic Friend Leukemia Cells: Host Antitumor Mechanisms and Marked Effects on Established Metastases", J. Exp. Med., 173, 313-322 (1991).					

EXAMINER	C. Yaen	DATE CONSIDERED	8/4/04
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CY	CA	Rosenberg, et al., "Regression of Established Pulmonary Metastases and Subcutaneous Tumor Mediated by the Systemic Administration of High-Dose Recombinant Interleukin 2", J. Exp. Med., 161, 1169-1188 (1985).				
CY	CB	Nastala, et al., "Recombinant IL-12 Administration Induces Tumor Regression in Association with IFN- $\gamma$ Production", J. Immunol., 153, 1697 (1994).				
CY	CC	Hashimoto, et al., "Cytotoxic NK1.1 Ag $^+$ $\alpha\beta$ T Cells with Intermediate TCR Induced in the Liver of Mice by IL-12", J. Immunol., 154, 4333-4340 (1995).				
CY	CD	Brunda, et al., "Interleukin-12: Murine Models of a Potent Antitumor Agent", Ann. N.Y. Acad. Sci., 795, 266-274 (1996).				
CY	CE	Brunda, et al., "The Anti-Tumor Effect of Recombinant Interferon Alpha or Gamma is Influenced by Tumor Location", Int. J. Cancer, 40, 807-810 (1987).				
CY	CF	Sayers, et al., "Antitumor Effects of $\alpha$ -Interferon and $\gamma$ -Interferon on a Murine Renal Cancer (Renca) in Vitro and in Vivo", Cancer Res., 50, 5414-5420 (1990).				
CY	CG	Giovarelli, et al., "Interferon-Activated Tumor Inhibition in vivo. Small Amounts of Interferon-Gamma Inhibit Tumor Growth by Eliciting Host Systemic Immunoreactivity", Int. J. Cancer, 37, 141-148 (1986).				
CY	CH	Mulé, et al., "Antitumor Effect of Recombinant Tumor Necrosis Factor- $\alpha$ Against Murine Sarcomas at Visceral Sites: Tumor Size Influences the Response to Therapy", Cancer Immunol. Immunother., 26, 202-208 (1988).				
CY	CI	Good, et al., "IL-2 and IL-4 Can Co-Modulate the Generation of Cytotoxic T Cells Through CD8 $^+$ CD4 $^+$ Splenic Lymphocytes", Immunology, 67, 225-230 (1989).				
CY	CJ	Yamashita, et al., "Suppressive Activity of Interleukin 4 on the Induction of Antigen-Specific Cytotoxic T Cells in Humans", Jpn. J. Cancer Res., 82, 585-592 (1991).				
CY	CK	Jin, et al., "TGF $\beta$ Down-Regulates TLIS1 Expression and Inhibits the Differentiation of Precursor Lymphocytes into CTL and LAK cells", Immunology 66, 570-576 (1989).				
CY	CL	Erard, et al., "Switch of CD8 T Cells to Noncytolytic CD8 $^+$ CD4 $^+$ Cells that Make T $_H$ 2 Cytokines and Help B Cells", Science, 260, 1802-1805 (1993).				
CY	CM	Croft, et al., "Generation of Polarized Antigen-Specific CD8 Effector Populations: Reciprocal Action of Interleukin (IL)-4 and IL-12 in Promoting Type 2 Versus Type 1 Cytokine Profiles", J. Exp. Med., 180, 1715-1728 (1994).				

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CY	CN	Noble, et al., "IFN- $\gamma$ and IL-4 Regulate the Growth and Differentiation of CD8 <sup>+</sup> T Cells into Subpopulations with Distinct Cytokine Profiles", J. Immunol., 155, 2928-2937 (1995).				
CY	CO	Takahashi, et al., "Involvement of Macrophage Migration Inhibitory Factor (MIF) in the Mechanism of Tumor Cell Growth", Mol. Med., 4, 707-714 (1998).				
CY	CP	Meyer-Siegler, et al., "Enhanced Expression of Macrophage Migration Inhibitory Factor in Prostatic Adenocarcinoma Metastases", Urology, 48, 3, 448-452 (1996).				
CY	CQ	Rees, et al., "Selective MHC Expression in Tumours Modulates Adaptive and Innate Antitumour Responses", Cancer Immunol. Immunother., 48, 374-381 (1999).				
CY	CR	Hahne, et al., "Melanoma Cell Expression of Fas(Apo-1/CD95) Ligand: Implications for Tumor Immune Escape", Science, 274, 1363-1366 (1996).				
CY	CS	Strand, et al., "Lymphocyte Apoptosis Induced by CD95 (APO-I/Fas) Ligand-Expressing Tumor Cells--A Mechanism of Immune Evasion?", Nat. Med., 2, 12, 1361-1366 (1996).				
CY	CT	Arai, et al., "Gene Transfer of Fas Ligand Induces Tumor Regression in vivo", Proc. Nat'l. Acad. Sci. U.S.A., 94, 13862-13867 (1997).				
CY	CU	Kang, et al., "Fas Ligand Expression on Islets as Well as Multiple Cell Lines Results in Accelerated Neutrophilic Rejection", Transplant. Proc., 30, 538 (1998).				
CY	CV	Seino, et al., "Contribution of Fas Ligand to Cardiac Allograft Rejection", Int. Immunol., 8, 9, 1347-1354 (1996).				
CY	CW	Seino, et al., "Rejection of Fas Ligand-Expressing Grafts", Transplant. Proc., 29, 1092-1093 (1997).				
CY	CX	Allison, et al., "Transgenic Expression of CD95 Ligand on Islet $\beta$ Cells Induces a Granulocytic Infiltration but Does Not Confer Immune Privilege upon Islet Allografts", Proc. Nat'l. Acad. Sci. U.S.A., 94, 3943-3947 (1997).				
CY	CY	Liu, et al., "Suppressive Effect of Corticosteroids on the Gene Expression of Interleukin-5 and Eosinophil Activation in Asthmatics", Chung. Hua. Nei. Ko. Tsa. Chih. 35, 231 (1996).				
CY	CZ	Straten, et al., "In situ T cells in Melanoma", Cancer Immunol. Immunother., 34, 386-395 (1999).				

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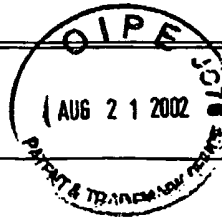
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CY	DA	Hudson, et al., "A Proinflammatory Cytokine Inhibits p53 Tumor Suppressor Activity", J. Exp. Med., 190, 10, 1375-1382 (1999).		
CY	DB	Matsumura, et al., "Emerging Principles for the Recognition of Peptide Antigens by MHC Class I Molecules", Science, 257, 927-934 (1992).		
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